

LMM/OASIS Publications and Presentations

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- “X-ray Observation of Electroclinic Layer Constriction and Rearrangement in a Chiral Smectic-A Liquid Crystal,” A.A. Rappaport, P.A. Williams, B.N. Thomas, N.A. Clark, M.B. Ros, D.M. Walba, *App. Phys. Lett.* 67, 3 (1995).
- “Dynamic Light Scattering Study of Nematic and Smectic-A Liquid Crystal Ordering in Silica Aerogel,” T. Bellini, N.A. Clark, D.W. Schaefer, *Phys. Rev. Lett.* 74, 14 (1995).
- “Near-Atomic Resolution Imaging of Ferroelectric Liquid Crystal Molecules on Graphite by STM,” D.M. Walba, F. Stevens, D.C. Parks, N.A. Clark, M.D. Wand, *Science* 267, 1144-1147, (1995).
- “Melting and Liquid Structure in Two Dimensions,” M.A. Glaser, N.A. Clark, *Adv. in Chem. Phys.*, Vol. LXXXIII, Ed I. Prigogine and S.A. Rice, John Wiley & Sons, Inc. (1993).
- “Electric Field Induced Chirality Flipping In Smectic Liquid Crystals: The Role Of Anisotropic Viscosity,” M. Nakata, R.-F. Shao, J.E. Maclennan, W. Weissflog, and N.A. Clark, *Physical Review Letters* 96, 067802 (2006).
- “The Peculiar Optic, Dielectric And X-ray Diffraction Properties Of A Fluorinated De Vries Asymmetric-diffuse-cone-model Ferroelectric Liquid Crystal,” J.P.F. Lagerwall, F. Giesselmann, J.M. Ot’ on, E. Korblova, D.M. Walba, D. Coleman, R.F. Shao, and N.A. Clark, *Liquid Crystals* 33, 17-23 (2006).
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- “Giant-block Twist Grain Boundary Smectic Phases,” J. Fernsler, L. Hough, R.-F. Shao, J. E. Maclennan, L. Navailles, M. Brunet, N. V. Madhusudana, O. Mondain-Monval, C. Boyer, J. Zasadzinski, J. A. Rego, D. M. Walba, and N. A. Clark, *PNAS* 40, 14191–14196 (2005).